

# MATERIAL SAFETY DATA SHEET

## MSDS

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Date Issued 09/18/1997  
MSDS Ref No RPTM23790  
Date Revised 09/24/1997  
Revision No New MSDS

### PoolTime D. E. Filter Powder

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#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME PoolTime D. E. Filter Powder  
GENERAL USE Pure diatomaceous earth filter powder  
CHEMICAL FAMILY Silica  
GENERIC NAME Diatomaceous Silica

##### MANUFACTURER

Recreational Water Products  
Pool Time  
PO Box 887  
Scottdale, GA 30079  
Customer SERVICE: (800) 949-7946

##### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (Transportation) (800) 424-9300  
Rocky Mountain (Medical) (303) 623-5716

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#### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt %	CAS Registry #	EINECS #
Flux-Calcined Diatomaceous Earth	100	68855-54-9	272-489-0

##### COMMENTS:

Diatomaceous Earth contains Crystalline Silica which is composed of  
(Quartz, CAS # 14808-60-7 - up to 5%)  
(Cristobalite, CAS # 14464-46-1 - up to 70%)

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#### 3. HAZARDS IDENTIFICATION

##### EMERGENCY OVERVIEW

###### PHYSICAL APPEARANCE

White to off-white odorless powder

###### IMMEDIATE CONCERNS

CAUTION CONTAINS CRYSTALLINE SILICA which is considered a hazard by inhalation and has been classified as a carcinogen by IARC and NTP. Prolonged breathing of excessive concentration of dust from this product may cause lung damage (silicosis). Causes skin and eye irritation. Avoid contact with eyes, skin or clothing. Wear goggles or safety glasses, rubber gloves and respirator when handling this product. May be irritating to nose and throat. Avoid breathing dust. Remove and wash contaminated clothing before reuse. Do not mix with other chemicals.

##### POTENTIAL HEALTH EFFECTS

###### EYES

CAUTION Causes eye irritation. Avoid contact with eyes.

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#### SKIN

CAUTION Causes skin irritation Avoid contact with skin

#### INGESTION

May be harmful if swallowed

#### INHALATION

May be irritating to nose and throat Avoid breathing dust or vapors

#### CHRONIC

Long term inhalation of crystalline silica dusts may cause lung disease (silicosis)

#### ROUTES OF ENTRY:

Skin Contact, Inhalation, Ingestion, Eye Contact

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## 4. FIRST AID MEASURES

#### EYES

If contact with eyes occurs Immediately flush with cold water for at least 15 minutes Then get immediate medical attention

#### SKIN

If contact with skin Rinse off excess chemical and flush skin with cold water for at least 15 minutes If skin irritation develops, seek immediate medical attention

#### INGESTION

If swallowed Drink large amounts of water Avoid Alcohol NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON Call a physician or poison control center immediately

#### INHALATION

If inhaled Remove to fresh air If breathing is difficult, have trained person administer oxygen If not breathing, give artificial respiration Call a physician immediately

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## 5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD Non-Flammable

#### GENERAL HAZARD

There are no unusual fire and explosion hazards known

#### EXTINGUISHING MEDIA

Appropriate to surrounding fire

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#### FIRE FIGHTING EQUIPMENT

Firefighters should wear full protective clothing and self contained breathing apparatus (SCBA)  
Thoroughly decontaminate fire fighting equipment including all fire fighting wearing apparel after the incident

## 6. ACCIDENTAL RELEASE MEASURES

#### SMALL SPILL

Vacuum clean or wet sweep, avoid dusting, use a dust suppressant when sweeping

## 7. HANDLING AND STORAGE

#### GENERAL PROCEDURES

Avoid contact with eyes, skin or clothing. Avoid breathing dust.

#### HANDLING

Use safe chemical handling procedures for the hazards presented by this material.

#### STORAGE

Keep this product in its original container when not in use. Store in cool, dry, well-ventilated area.  
Keep this product and all other chemicals out of children's reach.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### EXPOSURE GUIDELINES:

#### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

		EXPOSURE LIMITS			
		OSHA PEL	ACGIH TLV	SUPPLIER OEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Flux-Calcined Diatomaceous Earth	TWA		0.069		

#### ENGINEERING CONTROLS:

General room ventilation plus local exhaust should be used to maintain exposure below TLV

#### PERSONAL PROTECTIVE EQUIPMENT:

##### EYES AND FACE

Wear goggles or safety glasses with side shields when handling this product

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#### SKIN

Wear rubber gloves when handling this product. Avoid contact with skin.

#### RESPIRATORY

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

#### WORK HYGIENIC PRACTICES:

Remove and wash contaminated clothing before reuse.

#### OTHER USE PRECAUTIONS

Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE Solid

ODOR Odorless

APPEARANCE Powder

COLOR White to off-white

SOLUBILITY IN WATER Slight

SPECIFIC GRAVITY 2.35 (water=1)

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## 10. STABILITY AND REACTIVITY

#### CONDITIONS TO AVOID

High temperature Poor ventilation Contamination Moisture/high humidity

#### STABILITY

This product is stable under normal conditions.

#### POLYMERIZATION

Hazardous polymerization will not occur under normal conditions.

#### HAZARDOUS DECOMPOSITION PRODUCTS

Reacts with hydrofluoric acid to form toxic silicon tetrafluoride gas.

#### INCOMPATIBLE MATERIALS

Hydrofluoric acid Other swimming pool/spa chemicals in their concentrated forms

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## 11. TOXICOLOGICAL INFORMATION

#### EYE EFFECTS

This product is an eye irritant.

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#### SKIN EFFECTS

This product is a skin irritant

#### CARCINOGENICITY

Crystalline silica has been classified as a probable human carcinogen (Group 2A) by IARC, a unit of the World Health Organization.  
Quartz (CAS # 14808-60-7) and Cristobalite (CAS # 14464-46-1), components of this product, are listed as anticipated carcinogens by NTP.  
This product is not listed as a carcinogen by OSHA

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## 12. ECOLOGICAL INFORMATION

#### ECOTOXICOLOGICAL INFORMATION.

This product may be toxic to fish and aquatic organisms. Keep product from entering waterways and watersheds

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## 13. DISPOSAL CONSIDERATIONS

#### PRODUCT DISPOSAL

Not considered as hazardous wastes by RCRA (40 CFR Part 261). Place waste and spillage in closed containers. Dispose of if approved landfill.

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## 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated

OTHER SHIPPING INFORMATION: Filter Aids, Diatomaceous, Earth Mixed, In Boxes (NMFC 69000)

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## 15. REGULATORY INFORMATION

#### UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: This product or its components are not listed

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This product or its components are not listed

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#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY This product or its components are not subject to export notification

TSCA STATUS This product or its components are listed on the TSCA Inventory

#### OSHA HAZARD COMM RULE

Product is hazardous by definition of the Hazardous Communication Standard

#### FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT)

This product is not a registered pesticide

#### STATE REGULATIONS

##### PROPOSITION 65 STATEMENT

NOTICE This product contains crystalline silica, a chemical known to the State of California to cause cancer

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## 16. OTHER INFORMATION

#### REVISION SUMMARY

New MSDS

#### NFPA CODES

HEALTH 1 FIRE 0 REACTIVITY 0

#### HMIS CODES

HEALTH \*1 FIRE 0 REACTIVITY 0 PROTECTION E

#### MANUFACTURER DISCLAIMER:

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